

Title (en)

Connection device for plastic pipes and method for connecting a plastic pipe.

Title (de)

Anschlussvorrichtung für Kunststoffrohre und Verfahren zum Anschliessen eines Kunststoffrohres.

Title (fr)

Dispositif de raccordement pour tuyaux en matière plastique et méthode pour raccorder un tuyau en matière plastique.

Publication

**EP 0501404 B1 19941228 (DE)**

Application

**EP 92103148 A 19920225**

Priority

DE 4106378 A 19910228

Abstract (en)

[origin: EP0501404A1] The connection device has a connection body (12) with at least one connection nozzle (20) onto which the end section of the plastic pipe (14) which is to be connected can be plugged. The external diameter of the connection nozzle (20) is greater than the internal diameter of the plastic pipe (14). Before the plastic pipe (14) is plugged onto the connection nozzle, a compression sleeve (28) is pushed onto the plastic pipe. The internal diameter of the compression sleeve (28) is selected such that the compression sleeve (28) can be pressed onto the end section (24) of the plastic pipe (14) which is plugged onto the connection nozzle (20). At the same time, the plastic pipe (14) is displaced in the axial direction until its front end is immersed in a retaining groove (46) which surrounds the connection nozzle (20) in an annular shape and is open towards the plastic tube (14). The retaining groove (46) is inclined with respect to the axis (50) of the connection body (12), the diameter of the annulus of the retaining groove (46) reducing with increasing depth. <IMAGE>

IPC 1-7

**F16L 3/22**

IPC 8 full level

**F16L 3/22** (2006.01); **F16L 13/04** (2006.01); **F16L 19/05** (2006.01)

CPC (source: EP US)

**B25B 27/10** (2013.01 - EP US); **F16L 13/04** (2013.01 - EP US); **F16L 13/146** (2013.01 - EP US); **F16L 19/0283** (2013.01 - EP US); **F16L 19/05** (2013.01 - EP US); **F16L 47/041** (2019.08 - EP US); **Y10T 29/49913** (2015.01 - EP US); **Y10T 29/5367** (2015.01 - EP US)

Cited by

EP2769134A4; ITBO20090536A1; ITBO20090535A1; ITUA20161700A1; DE19831473A1; DE19831473C2; US11260511B2; WO2011128051A1; EP3459680B1

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DOCDB simple family (application)

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